

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	("20020195271" "4490614" "5061193" "5793150" "6180880" "6183290" "6305975" "6364527" "6441609" "6521830" "6542577" "6737579").PN.	US-PGPUB; USPAT	AND	ON	2008/09/25 09:43
S2	11	((JOSEF) near2 (DEURINGER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S3	3	((RICHARD) near2 (EICHORN)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S4	6	((LARS) near2 (LAUER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S5	9	((GERD) near2 (MORSBERGER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S6	1	((PAUL) near2 (PONNATH)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:45
S7	1	((ROLAND) near2 (RABE)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:45
S8	26	S2 S3 S4 S5 S6 S7	US-PGPUB; USPAT	OR	ON	2008/09/25 09:46
S9	65144	((@AD<"20040213") ((bushing or housing) near5 (tight or seal))	US-PGPUB; USPAT	AND	ON	2008/09/25 09:55
S10	0	S8 S9	US-PGPUB; USPAT	AND	ON	2008/09/25 09:55
S11	658	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit)) or fpc) via ((conductive adj layer) or trace or track or conductor)	US-PGPUB; USPAT	AND	ON	2008/09/25 10:01

S12	94	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit)) or fpc) via ((conductive adj layer) or trace or track or conductor) (seal or (O adj ring)) ((pressure or pressing) near5 (board or plate))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:05
S13	2	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit)) or fpc) via ((conductive adj layer) or trace or track or conductor) (seal or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:25
S14	6	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit)) or fpc) (seal or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:29
S15	6	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit)) or fpc) (seal or gasket or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:32
S19	1	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit)) or fpc) near5 (seal or gasket or (O adj ring))) ((pressure or pressing) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:52
S20	15795	((@AD<"20040213") (FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) via ((conductive adj layer) or trace or track or conductor)	US-PGPUB; USPAT	AND	ON	2008/09/25 10:59

S21	201	((@AD<"20040213") (FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) via ((conductive adj layer) or trace or track or conductor) (blind adj via)	US-PGPUB; USPAT	AND	ON	2008/09/25 11:03
S22	33	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit)) or fpc) (seal or (O adj ring) or gasket) ((pressure or pressing) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 11:16
S23	20	(US-20020195271-\$ or US-20010049965-\$).did. or (US-6737579-\$ or US-6542577-\$ or US-6521830-\$ or US-6441609-\$ or US-6364527-\$ or US-6305975-\$ or US-6183290-\$ or US-6180880-\$ or US-4490614-\$ or US-5793150-\$ or US-5061193-\$ or US-6640645-\$ or US-4606133-\$ or US-5439021-\$ or US-7278205-\$ or US-7164197-\$ or US-6931723-\$ or US-7063511-\$).did.	US-PGPUB; USPAT	AND	ON	2008/09/25 11:44
S24	3	S23 bushing	US-PGPUB; USPAT	AND	ON	2008/09/25 11:44
S28	35826	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) (seal or (O adj ring) or gasket)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:01
S29	1909	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket))	US-PGPUB; USPAT	AND	ON	2008/09/25 13:01
S30	327	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:02
S31	262	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near4 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near4 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:03

S32	165	(@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near3 (seal or (O adj ring) or gasket) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near3 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:03
S33	81	(@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket) near5 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:04
S34	38	S32 S33	US-PGPUB; USPAT	AND	ON	2008/09/25 13:04
S35	289	S31 S32 S33	US-PGPUB; USPAT	OR	ON	2008/09/25 13:14
S36	22107	S35 ((water or loiquid) adj (tight or prove))	US-PGPUB; USPAT	OR	ON	2008/09/25 13:15
S37	8	S35 ((water or loiquid) adj (tight or prove))	US-PGPUB; USPAT	AND	ON	2008/09/25 13:15
S38	9650	(@AD<"20040213") (X adj ray adj tube)	US-PGPUB; USPAT	AND	ON	2008/09/25 15:13
S39	193	S9 S38	US-PGPUB; USPAT	AND	ON	2008/09/25 15:14
S40	0	S11 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:14
S41	0	S20 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15
S42	5	S28 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15
S43	24	(US-20020195271-\$ or US-20010049965-\$).did. or (US-6737579-\$ or US-6542577-\$ or US-6521830-\$ or US-6441609-\$ or US-6364527-\$ or US-6305975-\$ or US-6183290-\$ or US-6180880-\$ or US-4490614-\$ or US-5793150-\$ or US-5061193-\$ or US-6640645-\$ or US-4606133-\$ or US-5439021-\$ or US-7278205-\$ or US-7164197-\$ or US-6931723-\$ or US-7063511-\$ or US-3879836-\$ or US-5987996-\$ or US-6614108-\$ or US-5844781-\$).did.	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15

S44	1	S43 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15
S45	2354	361/752,679,749-751.cor. 174/262,541,539,564.cor.	US-PGPUB; USPAT	OR	ON	2008/09/25 16:10
S46	6	S30 S45	US-PGPUB; USPAT	AND	ON	2008/09/25 16:11
S47	11	(US-6542577-\$ or US-6305975-\$ or US-6183290-\$ or US-6640645-\$ or US-7164197-\$ or US-6931723-\$ or US-7063511-\$ or US-3879836-\$ or US-5987996-\$ or US-6614108-\$ or US-5844781-\$).did.	USPAT	AND	ON	2008/09/25 16:16
S48	7	(@AD<"20040213")(X adj ray adj tube) ((tight\$3 or seal\$3 or cover\$3) near5 ((bushing or housing or enclosure or opening) and (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb)))	US-PGPUB; USPAT	AND	ON	2009/07/20 15:13
S49	45	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3 or cover\$3) near5 (opening near2 (bushing or housing or enclosure or tube)))	US-PGPUB; USPAT	AND	ON	2009/07/20 15:35
S50	20	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (opening near2 (bushing or housing or enclosure or tube)))	US-PGPUB; USPAT	AND	ON	2009/07/20 15:37
S51	11	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (opening near2 (bushing or housing or enclosure or tube))) ((tight\$3 or seal\$3) near5 (ring or gasket or seal))	US-PGPUB; USPAT	AND	ON	2009/07/20 17:32

S52	4	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 ((press\$3 or reinforc\$3) adj (board or plate)))	US-PGPUB; USPAT	AND	ON	2009/07/21 14:39
S53	111	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 ((press\$3 or reinforc\$3) near4 (board or plate)))	US-PGPUB; USPAT	AND	ON	2009/07/21 14:40
S54	93	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 ((press\$3 or reinforc\$3) near4 (board or plate))) seal	US-PGPUB; USPAT	AND	ON	2009/07/21 14:41
S55	38	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 ((press\$3 or reinforc\$3) near2 (board or plate))) seal	US-PGPUB; USPAT	AND	ON	2009/07/21 14:42

S56	41	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 ((press\$3 or reinforc\$3) near2 (board or plate))) seal\$3	US-PGPUB; USPAT	AND	ON	2009/07/21 14:42
S57	21	(@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 between near5 ((press\$3 or reinforc\$3) near4 (board or plate)))	US-PGPUB; USPAT	AND	ON	2009/07/21 14:46
S58	1957	361/752,679,749-751.cor. 174/262,541,539,564.cor.	US-PGPUB; USPAT	OR	ON	2009/07/21 16:28
S59	328	(@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 opening)	US-PGPUB; USPAT	AND	ON	2009/07/21 16:30
S60	6	S58 S59	US-PGPUB; USPAT	AND	ON	2009/07/21 16:30
S61	5	(US-5913688-\$ or US-7092031-\$ or US-6138674-\$ or US-6316768-\$ or US-6108201-\$).did.	USPAT	AND	ON	2009/07/21 16:31
S62	23	(US-20020195271-\$).did. or (US-6737579-\$ or US-6542577-\$ or US-6521830-\$ or US-6441609-\$ or US-6364527-\$ or US-6305975-\$ or US-6183290-\$ or US-6180880-\$ or US-4490614-\$ or US-5793150-\$ or US-5061193-\$ or US-6640645-\$ or US-4606133-\$ or US-5439021-\$ or US-7278205-\$ or US-7164197-\$ or US-6931723-\$ or US-7063511-\$ or US-3879836-\$ or US-5987996-\$ or US-6614108-\$ or US-5844781-\$).did.	US-PGPUB; USPAT	AND	ON	2009/10/25 13:20
S63	5	(US-5913688-\$ or US-7092031-\$ or US-6138674-\$ or US-6316768-\$ or US-6108201-\$).did.	USPAT	AND	ON	2009/10/25 13:20

S64	115	(@AD<"20040213") (coolant near2 oil) ((x adj ray) near2 tube)	US-PGPUB; USPAT	AND	ON	2009/10/25 13:22
S65	28	S62 or S63	US-PGPUB; USPAT	AND	ON	2009/10/25 13:22
S66	0	S64 S65	US-PGPUB; USPAT	AND	ON	2009/10/25 13:23
S67	449	(@AD<"20040213") coolant ((x adj ray) near2 tube)	US-PGPUB; USPAT	AND	ON	2009/10/25 13:23
S68	3453	(@AD<"20040213") (coolant or liquid or oil) ((x adj ray) near2 tube)	US-PGPUB; USPAT	AND	ON	2009/10/25 13:24
S69	1	S65 S67	US-PGPUB; USPAT	AND	ON	2009/10/25 13:25
S70	2	S65 S68	US-PGPUB; USPAT	AND	ON	2009/10/25 13:25
S71	2018	361/752,679,749-751.cor. 174/262,541,539,564.cor.	US-PGPUB; USPAT	OR	ON	2009/11/03 15:38
S73	121	(@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (via and layer))	US-PGPUB; USPAT	AND	ON	2009/11/03 15:39
S74	6	S71 S73	US-PGPUB; USPAT	AND	ON	2009/11/03 15:40
S76	265	(@AD<"20040213") (((press\$3 or reinforc\$3) adj plate) near5 (bolt or screw or fast\$3)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb)	US-PGPUB; USPAT	AND	ON	2010/10/26 16:50
S77	253	(@AD<"20040213") (((press\$3 or reinforc\$3) adj plate) near5 (bolt or screw or fast\$3)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) press\$3	US-PGPUB; USPAT	AND	ON	2010/10/26 16:51

L1	72	(@AD<"20040213") (((press\$3 or reinforc\$3) adj plate) near5 (bolt or screw or fast\$3)) (press\$3 near5 (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb))	US- PGPUB; USPAT	AND	ON	2010/10/27 09:18
L2	3	(@AD<"20040213") (((press\$3 or reinforc\$3) adj plate) near5 (bolt or screw or fast\$3)) (press\$3 near5 (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 seal\$3)	US- PGPUB; USPAT	AND	ON	2010/10/27 09:19
L3	16	(@AD<"20040213") (((press\$3 or reinforc\$3) adj plate) near5 (bolt or screw or fast\$3)) (press\$3 near5 (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb)) (((press\$3 or reinforc\$3) adj plate) near5 (housing or cover or frame))	US- PGPUB; USPAT	AND	ON	2010/10/27 09:23
L4	12	(@AD<"20040213") (((press\$3 or reinforc\$3) adj plate) near5 (bolt or screw or fast\$3)) (press\$3 near5 (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb)) (((press\$3 or reinforc\$3) adj plate) near5 (housing or cover or frame)) (((press\$3 or reinforc\$3) adj plate) near5 (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb))	US- PGPUB; USPAT	AND	ON	2010/10/27 09:33
L5	53	1 not 2 not 3 not 4	US- PGPUB; USPAT	AND	ON	2010/10/27 09:37
L8	23	(US-20020195271-\$).did. or (US- 6737579-\$ or US-6542577-\$ or US- 6521830-\$ or US-6441609-\$ or US- 6364527-\$ or US-6305975-\$ or US- 6183290-\$ or US-6180880-\$ or US- 4490614-\$ or US-5793150-\$ or US- 5061193-\$ or US-6640645-\$ or US- 4606133-\$ or US-5439021-\$ or US- 7278205-\$ or US-7164197-\$ or US- 6931723-\$ or US-7063511-\$ or US- 3879836-\$ or US-5987996-\$ or US- 6614108-\$ or US-5844781-\$).did.	US- PGPUB; USPAT	AND	ON	2010/10/27 11:35

L9	5	(US-5913688-\$ or US-7092031-\$ or US-6138674-\$ or US-6316768-\$ or US-6108201-\$).did.	USPAT	AND	ON	2010/10/27 11:35
L10	6	(US-20020009825-\$).did. or (US-6198631-\$ or US-4593961-\$ or US-6892781-\$ or US-6023413-\$ or US-3797342-\$).did.	US-PGPUB; USPAT	AND	ON	2010/10/27 11:35
L11	34	8 9 10	US-PGPUB; USPAT	OR	ON	2010/10/27 11:36
L14	2	11 ((Xray or (X adj ray)) adj tube) seal\$3	US-PGPUB; USPAT	AND	ON	2010/10/27 11:37
L15	6015	361/752,679,697,704,749-751.cor. 174/262,541,539,564.cor. 438/91.cor. 29/830,852.cor. 378/130,200.cor.	US-PGPUB; USPAT	OR	ON	2010/10/27 11:38
L16	105	(@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (via and layer)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 seal\$3)	US-PGPUB; USPAT	AND	ON	2010/10/27 11:39
L17	9	15 16	US-PGPUB; USPAT	AND	ON	2010/10/27 11:39

10/27/2010 12:10:29 PM

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